AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (CURRENTLY AMENDED) A system analysis apparatus for analyzing a system containing one or a plurality of programs, comprising:

means for examining ~~a data item~~an access state and a number of accesses of a data item in said program; and

an analyzer for analyzing ~~strength~~ degree of association relationships between processes and data items based on said ~~data item~~ access state and the number of accesses of the data item, each said process being at least one of a program, a set of programs and a program section.

2.   (ORIGINAL) The system analysis apparatus of claim 1, wherein said analyzer comprises:

means for quantifying the types of accesses to the data items and the number of accesses, which are included in said data item access state, and generating the quantified data item access state data.

3.   (ORIGINAL) The system analysis apparatus of claim 2, wherein said analyzer further comprises:

means for correcting said quantified data item access state data according to an external requirement including a system design requirement.

4.   (ORIGINAL) The system analysis apparatus of claim 3, wherein said analyzer further comprises:

means for collecting processes that access to a data item satisfying a predetermined condition in said quantified data item access state data.

5.   (PREVIOUSLY PRESENTED) The system analysis apparatus of claim 4, wherein said analyzer further comprises:

means for presenting at least one of a partitioning pattern of the data items and a division pattern of the processes, using the quantified data item access state data and the collected processes.

6.   (CURRENTLY AMENDED) The system analysis apparatus of claim 5, further comprising:

means for presenting a process interface in the presented division pattern of the processes, displaying distinction between public data and private data, said public data being external data used as interfaces to processes in an other division, and private data being internal data used only within processes in a division.

7.   (CURRENTLY AMENDED) A system analyzing method, for analyzing a system containing one or a plurality of programs, comprising:

examining a data item an access state and a number of accesses of a data item in the program; and

analyzing strength degree of association relationships between processes and data items based on said data item access state and the number of accesses of the data item, each said process being at least one of a program, a set of programs and a program section.

8.   (PREVIOUSLY PRESENTED) The system analysis method of claim 7, wherein said analyzing comprises:

quantifying the types of accesses to the data items and the number of accesses, which are included in said data item access state, and generating the quantified data item access state data.

9.   (PREVIOUSLY PRESENTED) The system analysis method of claim 8, wherein said analyzing further comprises:

correcting said quantified data item access state data according to an external requirement including a system design requirement.

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10.   (PREVIOUSLY PRESENTED) The system analysis method of claim 9, wherein said analyzing further comprises:

collecting processes that access to a data item satisfying a predetermined condition in said quantified data item access state data.

11.   (PREVIOUSLY PRESENTED) The system analysis method of claim 10, wherein said analyzing further comprises:

presenting at least one of a partitioning pattern of the data items and a division pattern of the processes, using the quantified data item access state data and the collected processes.

12.   (CURRENTLY AMENDED) The system analysis method of claim 11, further comprising:

presenting a process interface in the presented division pattern of the processes, displaying distinction between public data and private data, said public data being external data used as interfaces to processes in an other division, and private data being internal data used only within processes in a division.

13.   (CURRENTLY AMENDED) A storage medium for storing an analysis program for analyzing a system containing one or a plurality of programs, said analysis program causing a computer to execute operations comprising:

examining a data iteman access state and a number of accesses of a data item in the program; and

analyzing strength degree of association relationships between processes and data items based on said data item access state and the number of accesses of the data item, each said process being at least one of a program, a set of programs and a program section.

14.   (PREVIOUSLY PRESENTED) The storage medium of claim 13, wherein said analyzing comprises:

quantifying the types of accesses to the data items and the number of accesses, which are included in said data item access state, and generating the quantified data item access state data.

15. (PREVIOUSLY PRESENTED) The storage medium of claim 14, wherein said analyzing further comprises:

correcting said quantified data item access state data according to an external requirement including a system design requirement.

16. (PREVIOUSLY PRESENTED) The storage medium of claim 15, wherein said analyzing further comprises:

collecting processes that access to a data item satisfying a predetermined condition in said quantified data item access state data.

17. (PREVIOUSLY PRESENTED) The storage medium of claim 16, wherein said analyzing further comprises:

presenting at least one of a partitioning pattern of the data items and division pattern of the processes, using the quantified data item access state data and the collected processes.

18. (CURRENTLY AMENDED) The storage medium of claim ~~11~~16, wherein said analysis program causes said computer to further execute operations comprising:

presenting a process interface in the presented division pattern of the processes, displaying distinction between public data and private data, said public data being external data used as interfaces to processes in an other division, and private data being internal data used only within processes in a division.